

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



03 SEP 2004



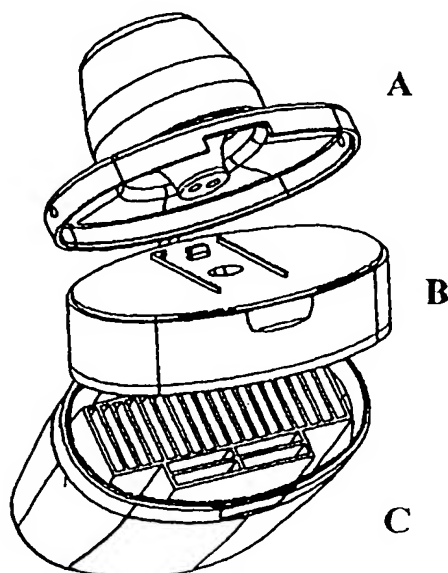
(43) International Publication Date  
9 October 2003 (09.10.2003)

PCT

(10) International Publication Number  
**WO 03/082389 A1**

- (51) International Patent Classification<sup>7</sup>: **A61M 15/00**
- (21) International Application Number: **PCT/GR02/00050**
- (22) International Filing Date:  
25 September 2002 (25.09.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
20020100159 29 March 2002 (29.03.2002) GR
- (71) Applicant and  
(72) Inventor: **PENTA FRAGAS, Dimitrios** [GR/GR]; 17  
Elaionon Street, GR-190 09 Pikermi Attika (GR).
- (74) Agent: **PAPACONSTANTINO, Helen, G.**; 2 Coumbari  
Street, GR-106 74 Athens (GR).
- (81) Designated States (*national*): AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, EE, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, RO, RU, SD, SE, SG, SI, SL, TJ, TM, TN, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **DRY POWDER INHALER**



(57) **Abstract:** An inhalation device for the uptake of medicaments that are in the form of dry powder contained in the blisters of specially designed single dose blister strips. The device is comprised of a mouthpiece (A), a strip support surface area (B), and one or more storage areas (C). Furthermore, the single dose blister strip is described. It is comprised of two sheets (17, 20) that are fixed in such a manner so that when they get separated the powder becomes available for inhalation.

WO 03/082389 A1